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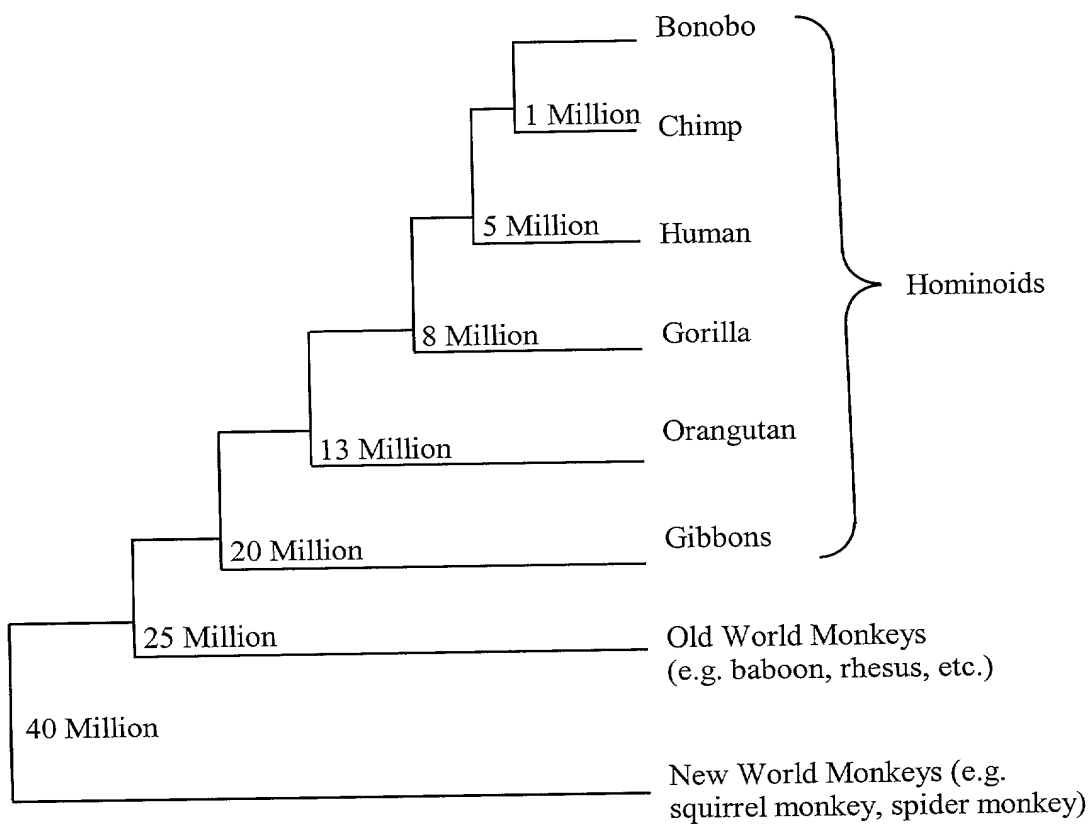


Fig. 1

HUMAN: 1 CAGACATCTGTGTCCTCCCTCATAAAGTCATCCTGCCCCCGGGGAGGCTCCGTGCTGCTGACA
 CHIMPANZEE: |||||CAGACATCTGTGTCCTCCCTCATAAAGTCATCCTGCCCCCGGGGAGGCTCCGTGCTGCTGACA
 Q T S V S P P K V I L P R G G S V Q V T
 TGCAGCACCTCCTGTGACCAGCCCAAGTTGTTGGGCATAGAGACCCCGTTGCCCTAAAAAG
 |||||TGCAGCACCTCCTGTGACCAGCCCGACTTGTTCGGCCATAGAGACCCCGTTGCCCTAAAAAG
 C S T S C D Q P D L L G I E T P L P K K
 HUMAN: 121 GAGTTGCTCCTGCTGGGAACAACCGGAAGGTGTATGAACCTGAGCAATGTGCAAGAAGAT
 CHIMPANZEE: |||||GAGTTGCTCCTGCTGGGAACAACCTGGAAGGTGTATGAACCTGAGCAATGTGCAAGAAGAT
 E L L L G G N N W K V Y E L S N V Q E D
 AGCCAAACCAATGTGCTATTCAAACCTGCCCTGATGGGCAGTCAACAGCTAAAAACCTTCCTC
 |||||AGCCAAACCAATGTGCTATTCAAACCTGCCCTGATGGGCAGTCAACAGCTAAAAACCTTCCTC
 S Q P M C Y S N C P D G Q S T A K T F L
 HUMAN: 241 ACCGTGTACTGGACTCCAGAACGGGTGGAACCTGGCACCCCTCCCTCTTGGCAGCCAGTG
 CHIMPANZEE: |||||ACCGTGTACTGGACTCCAGAACGGGTGGAACCTGGCACCCCTCCCTCTTGGCAGCCAGTG
 T V Y W T P E R V E L A P L P S W Q P V
 GGCAAGAACCTTACCCCTACGCTGCCAGGTGGAGGGTGGGGCACCCCGGCCAACCTCACC
 |||||GGCAAGAACCTTACCCCTACGCTGCCAGGTGGAGGGTGGGGCACCCCGGCCAACCTCACC
 G K D L T L R C Q V E G A P R A N L T
 HUMAN: 361 GTGGTGCTGCTCCGTGGGAGAAAGGAGCTGAACGGGAGCCAGCTGTGGGGGAGCCCGCT
 CHIMPANZEE: |||||GTGGTGCTGCTCCGTGGGAGAAAGGAGCTGAACGGGAGCCAGCTGTGGGGGAGCCCGCT
 V V L L R G E K E L K R E P A V G E P A
 GAGGTCACGACCAACCGGTGCTGGTGAGGAGAGATCACCATGGAGCCCAATTCTCGTGCCGC
 |||||GAGGTCACGACCAACCGGTGCTGGTGAGGAGAGATCACCATGGAGCCCAATTCTCGTGCCGC
 E V T T T V L V E R D H H G A N F S C R

FIG. 2

HUMAN: 481 ACTGAACTGGACCTGCGGGCCCCAAGGGCTGGAGCTGTTTGAGAACACCTCGGCCCCCTAC
 CHIMPANZEE: ACTGAACTGGACCTGCGGGCCCCAAGGGCTGCGAGCTGTTTGAGAACACCTCGGCCCCCTAC
 T E L D L R P Q G L Q L F E N T S A P H
 CAGCTCCAGACCTTTGTCCCTGCCAGCGACTCCCCCACAACCTTGTCAGCCCCCGGGTCCCTA
 CAGCTCCAAACCTTTGTCCCTGCCAGCGACTCCCCCACAACCTTGTCAGCCCCCGGGTCCCTA
 Q L Q T F V L P A T P P Q L V S P R V L
 HUMAN: 601 GAGGTGGACACGCAGGGGACCGTGGTCTGTTCCTGGACGGGCTGTTCCTCAGTCTCGGAG
 CHIMPANZEE: GAGGTGGACACGCAGGGGACCGTGGTCTGTTCCTGGAGTGGGCTGTTCCTCAGTCTCGGAG
 E V D T Q G T G V C S L D G L F P V L E
 GCCCAGGTCCACCTGGCACCTGGGGGACCCAGAGGTGAAACCCACAGTCACCTATGGCAAC
 GCCCAGGTCCACCTGGCACCTGGGGGACCCAGAGGTGAAACCCACAGTCACCTATGGCAAT
 A Q V H L A L G D Q R L N P T V T Y G N
 HUMAN: 721 GACTCCTTCTCGGGCCAAAGGCTCAGTCAGTGTGACCCGACAGGACGAGGACCCAGCGG
 CHIMPANZEE: GACTCCTTCTCGGGCCAAAGGCTCAGTCAGTGTGACCCGACAGGACGAGGACCCAGCGG
 D S F S A K A S V S V T A E D E G T Q R
 CTGACGTGTGCAGTAATACTGGGGAACCCAGAGCCAGGACACACTGCAGACAGTGACCATC
 CTGACGTGTGCAGTAATACTGGGGAACCCAGAGCCGAGACACACTGCAGACAGTGACCATC
 L T C A V I L G N Q S R E T L Q T V T I
 HUMAN: 841 TACAGCTTTCGGGGCCCAACGTGATTCTGACGAAGCCAGAGGTCTCAGAAGGACCCGAG
 CHIMPANZEE: TACAGCTTTCGGGGCCCAACGTGATTCTGACGAAGCCAGAGGTCTCAGAAGGACCCGAG
 Y S F P A P N V I L T K P E V S E G T E
 GTGACAGTGAAGTGTGAGGCCCAACCCCTAGAGCCCAAGGTGACCGCTGAATGGGGTTCAGCCC
 GTGACAGTGAAGTGTGAGGCCCAACCCCTAGAGCCCAAGGTGACCGCTGAATGGGGTTCAGCCC
 V T V K C E A H P R A K V T L N G V P A

FIG. 2 (CONT.)

HUMAN:	961	CAGCCACTGGGCCCCGAGGGCCCCAGCTCCTGCTGAAGGCCACCCAGAGGACAAACGGGGCGC
CHIMPANZEE:		Q P V G P R V Q L L K A T P E D N G R
		AGCTTCTCCTGCTCTGCAACCCCTGGAGGTGGCCCGCCAGCTTATACACAAGAACCCAGACC
		AGCTTCTCCTGCTCTGCAACCCCTGGAGGTGGCCCGCCAGCTTATACACAAGAACCCAGACC
		S F S C S A T L E V A G Q L I H K N Q T
HUMAN:	1081	CGGGAGCTTCGTGCTCCTGTATGGCCCCCGACTGGACGAGAGGGATTGTCCGGGAAACTGG
CHIMPANZEE:		R E L R V L Y G P R L D E R D C P G N W
		ACGTGGCCAGAAAATTCCCAGCAGACTCCAAATGTGCCAGGCTTGGGGGAACCCATTGCCCC
		ACGTGGCCAGAAAATTCCCAGCAGACTCCAAATGTGCCAGGCTTGGGGGAACCCATTGCCCC
		T W P E N S Q Q T P M C Q A S G N P L P
HUMAN:	1201	GAGCTCAAGTGCTCTAAAGGATGGCACTTTCCCACTGCCCACTCGGGGAATCAGTGACTGTC
CHIMPANZEE:		E L K C L K D G T F P L P V G E S V T V
		ACTCGAGATCTTGAGGGCACCTACCTCTGTCTGGGCCAGGAGCACTCAAGGGAGGTCACC
		ACTCGAGATCTTGAGGGCACCTACCTCTGTCTGGGCCAGGAGCACTCAAGGGAGGTCACC
		T R D L E G T Y L C R A R S T Q G E V T
HUMAN:	1321	CGCGAGGTGACCGTGAAATGTGCTCTCCCCCGGTATGAGATTGTTCATCATCTGTGGTA
CHIMPANZEE:		R K V T V N V L S P R Y E I V I T V V
		GCAGCCGCAGTCATAATGGGCACCTGCAGGCCCTCAGCACCTACCTCTATAACCCGCCAGGGG
		GCAGCCGCAGTCATAATGGGCACCTGCAGGCCCTCAGCACCTACCTCTATAACCCGCCAGGGG
		A A V I M G T A G L S T Y L Y N R Q R

FIG. 2 (CONT.)

HUMAN:	1441	AAGATCAAGAAATACAGACTACAAACAGGCCCAAAAGGGA	CCCCCATGAAACCGAACACA
CHIMPANZEE:		AAGATCAGGAAATACAGACTACAAACAGGCTCAAAAGGGA	CCCCCATGAAACCGAACACA
		K I R K Y R L Q Q A Q K G T P M K P N T	
		CAAGCCACGGCCTCCCTGA	
		CAAGCCACGGCCTCCCTGA	
		Q A T P P ^ ^ ^	

FIG. 2 (CONT.)

1515 ICAM
 CAG ACA TCT GTG TCC CCC CCA AAA GTC ATC CTG CCC CGG GGA GGC TCC GTG CTG GTG ACA
 TGC AGC ACC TCC TGT GAC CAG CCC ACC TTG TTG GGC ATA GAG ACC CCG TTG CCT AAA AAG
 GAG TTG CTC CTG CTT GGG AAC AAC CAG AAC GAT GAG TAT GAA CTG AGC AAT GTG CAA GAA GAT
 AGC CAA CCA ATG TGT TAT TCA AAC TGC CCT GAT GGG CAG TCA ACA GCT AAA ACC TTC CTC
 ACC GTG TAC TGG ACT CCA GAA CGG GTG GAG GGT GCA CCC CTC TCT TGG CAG CCA GTG
 GGC AAG GAC CTT ACC CTA CGC TGC CAG GTG GAG GGT GCA CCC CTC TCT TGG CAG CCA GTG
 GTG GTG CTC CGT GGG GAG GAG CAG CAG AAA GAT CAC CAT GGA GCC AAT TTC TTG TGC CGC
 GAG GTC ACG ACC ACG GTG CCG GTG CAA GGG CTG AAG CTG TTT GAG AAC ACC TCG GCC CCC TAC
 ACT GAA CTG GAC CTG CGG CCC CAA GGG CTG AAG CTG TTT GAG AAC ACC TCG GCC CCC TAC
 CAG CTC CAA ACC TTT GTC CTG CCA GCG ACT GTG GTC TGT TCC CTG GAG CCC ACA GTG ACC TCG GAG
 GAG GTG GAC ACG CAG GGG ACT GTG GGG GAC CAG AGG TTG AAC CCC ACA GTG ACC TAT GGC AAC
 GCC CAG GTC CAC CAG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG
 GAC TCC TTC TCA GCC AAG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG
 CTG ACG TGT GCA GTA ATA CTG GCG ACC CAG AGC CAG GAG ACA CTG GAG TCA GAA GGG ACC GAG
 TAC AGC TTT CCG GCA CCC AAC GTG ATT CTG ACG AAG CCA GAG GTC TCA GAA GGG ACC GAG
 GTG ACA GTG AAG TGT GAG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG
 CAG CCA CCG GCG CCG AGG ACC CAG TTC CTG GAG GTG GCG GCG GCG GCG GCG GCG GCG GCG
 AGC TTC TCC TGT GCA ACC CTG GAG GTG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG GCG
 CCG GAG CTT CGT GTC CTG TAT GCG CCG CAG ACT CCA ATG TGC CAG GCT TGG GGG AAC CCA TTG CCC
 ACG TGG CCA GAA AAT TCC CAG CAG ACT TTC CCA CTG CCC GTC GGG GAA TCA GTG ACT GTC
 GAG CTC AAG TGT CTA AAG GAT GGC ACT TAC CTC TGT CGG GCC AGG AGC ACT CAA GGG GAG GTC ACC
 ACT CGA GAT CTT GAG GGC ACC TAC CTC TGT CGG GCC AGG AGC ACT CAA GGG GAG GTC ACC
 CGC GAG GTG ACC GTG AAT GTG CTC TCC CCC CGG TAT GAG TTT GTC ATC ATC GCT GTG GTA
 GCA GCC GCA GTC ATA ATG GGC ACT GCA GGC CTC AGC ACG TAC CTC TAT AAC CGC CAG CGG
 AAG ATC AGG AAA TAC AGA CTA CAA CAG GCT CAA AAA GGG ACC CCC ATG AAA CCG AAC ACA
 CAA GCC ACG CCT CCC

GORILLA

(SEQ ID NO: 4)

Fig. 3

Fig. 4

Human J03132	QTSVSPSKVI	LPRGGSVLVT	CSTSCDQPKL	LGIETPLPKK	ELLPLGNRRK
Human X06990	.....	.....	.....	.....	.....
Human X59286-8	.....	.....	.....	.....	.....
Human #4	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....
Human M24283	.....	.....	.....	.....	.....
Human U86814	.....	.....	.....M.	.....	.....G...W.
Chimp M86848	.....P...	.....Q..	.....D.	.....	.....G...W.
Chimp #1	.....P...	.....Q..	.....D.	.....	.....L...Q.
Gorilla #1	.....P...	.....	.....T.	.....	.....L...Q.
Gorilla #2	.....P...	.....	.....T.	.....	.....PG...W.
Orang	H....SAN.F	.....N	.....T.	.....	.....
Human J03132	VYELSNVQED	SQPMCYSNCP	DGQSTAKTFL	TVYWTPERVE	LAPLPSWQPV
Human X06990	.....	.....	.....	.....	.....
Human X59286-8	.....	.....	.....	.....	.....
Human #4	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....
Human M24283	.....	.....	.....	.....	.....
Human U86814	.....	.....	.....	.....	.....
Chimp M86848	.....	.....	.....	.....	.....
Chimp #1	.....	.....	.....	.....	.....
Gorilla #1	.....	.....	.....	.....	.....
Gorilla #2	.....	.....	.....	.....	.....
Orang	M.....	.....A...	.....	.....	.....
Human J03132	GKNLTLRCQV	EGGAPRANLT	VVLLRGEKEL	KREPAVGEP A	EVTTTVLVRR
Human X06990	.....	.....	.....	.....	.....
Human X59286-8	.....	.....	.....	.....	.....
Human #4	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....

(SEQ ID NO:6)

Fig. 5A

Human M24283	.....	.....	.....	.....	.....	.....	.....
Human U86814	????????	????????	????????	????????	????????	????????	????????
Chimp M86848	.D.....	.....	.....	.....	.....	.....	.....E.
Chimp #1	.D.....	.....	.....	.....	.....	.....	.....E.
Gorilla #1	.D.....	.....I	.....	.....E.	.....	.....P.EK	.....P.EK
Gorilla #2	.D.....	.....I	.....	.....E.	.....	.....P.EK	.....P.EK
Orang	.....	.....	.....	.....E.	S.Q.....	.....A...A.K	.....A...A.K
Human J03132	DHGFANFSCR	TELDLRPQGL	ELFENTSAPY	QLQTFVLPTAT	PPQLVSPRVL		
Human X06990	.....	.....	.....	.....	.....	.....	.....
Human X59286-8	.....	.....	.....	.....	.....	.....	.....
Human #4	.....	.....	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....	.....	.....
Human M24283	.....	.....	.....	.....	.....	.....	.....
Human U86814	????????	????????	????????	????????	????????	????????	????????
Chimp M86848	.....	.....	.....	.....	.....	.....	.....
Chimp #1	.....	.....	.....	.....	.....	.....	.....
Gorilla #1	.....L..	.....	.....	.....	.....	.....	.....
Gorilla #2	.....L..	.....	.....	.....	.....	.....	.....
Orang	.D.....	.....	.....	.....	.....	.....	.....
Human J03132	EVDTQGTVC	SLDGLFPVSE	AQVHLALGDQ	RLNPTVTYGN	DSFSKASVS		
Human X06990	.....	.....	.....	.....	.....	.....	.....
Human X59286-8	.....	.....	.....	.....	.....	.....	.....
Human #4	.....	.....	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....	.....	.....
Human M24283	.....	.....	.....	.....	.....	.....	.....
Human U86814	????????	????????	????????	????????	????????	????????	????????
Chimp M86848	.....	.....L.	.....	.....	.....	.....	.....
Chimp #1	.....	.....L.	.....	.....	.....	.....	.....
Gorilla #1	.....	.....	.....	.....	.....	.....	.....

Fig. 5B

Human X59286-8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human #4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human M24283	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human U86814	??????????	??????????	??????????	??????????	??????????	??????????	??????????	??????????	??????????
Chimp M86848	.....	.....	.....	.....	.....	.....	.....	.....	.....S.....
Chimp #1	.....	.....	.....	.....	.....	.....	.....	.....	.....S.....
Gorilla #1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gorilla #2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orang	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human J03132	ELKCLKDGTG	PLPIGESVTG	TRDLEGTYLC	RARSTQGEVT	REVTNVLSPT				
Human X06990	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human X59286-8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human #4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human M24283	.....	.....	.....	.....	.....	.....	.....	.....	.....K.....
Human U86814	??????????	??????????	??????????	??????????	??????????	??????????	??????????	??????????	??????????
Chimp M86848	.....	...V.....	.....	.....	.....	.....	.....	.....	.....K.....
Chimp #1	.....	...V.....	.....	.....	.....	.....	.....	.....	.....K.....
Gorilla #1	.....	...V.....	.....	.....	.....	.....	.....	.....	.....
Gorilla #2	.....	...V.....	.....	.....	.....	.....	.....	.....	.....
Orang	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human J03132	RYEIVITVV	AAAVIMGTAG	LSTLYNRQR	KIKKYRLQQA	QKGTMPKPNT				
Human X06990	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human X59286-8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human #4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human M24283	.....	.....	.....	.....	.....	.....	.....	.....	.....
Human U86814	??????????	??????????	??????????	??????????	??????????	??????????	??????????	??????????	??????????
Chimp M86848	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chimp #1	.....	.....	.....	.....	.....	.....	.....	.....	.....

Fig. 5D

Gorilla #1	...F...A..	.....	.....	.....	.....	.....	.....	.....	.....
Gorilla #2	...F...A..	.....	.....	.....	.....	.....	.....	.....	.....
Orang	.....	...A.L....	.....	.....	.....	.....	.....	.....	.....
Human J03132	QATPP								
Human X06990	.....							
Human X59286-8	.....							
Human #4	.....							
Human #7	.....							
Human #8	.....							
Human M24283	.....							
Human U86814	?????								
Chimp M86848	.....							
Chimp #1	.....							
Gorilla #1	.....							
Gorilla #2	.....							
Orang	.T...								

Fig. 5E

Human M32331	SDEKVFEVHV	RPKKLAVEPK	GSLEVNCSTT	CNQPEVGGL	TSLDKILLDE
Human #4	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....
Human X15606	.....	.....	.....	.....	...N.....
Chimp #1	.....	.....	...K.....	.....	.....
Chimp #2	.....	.....	...K.....	.....	.....
Gorilla #2	.....	.....	A.....	.....	.....
Human M32331	QAQWKHYLVS	NISHDTVLQC	HFTCSGKQES	MNSNVSVYQP	PRQVILTLP
Human #4	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....
Human X15606	.....	.....	.....	.....	.....
Chimp #1	.....	.....	.....	.....	.....
Chimp #2	.....	.....	.....	.....	.....
Gorilla #2	.....	.....	.....	.....	.....
Human M32331	TLVAVGKSFT	IECRVPTVEP	LDLTLFLFR	GNETLHYETF	GKAAPAPQEA
Human #4	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....
Human X15606	.....	.....	.....	.....	.....
Chimp #1	.....	.....	.....	.....	.....
Chimp #2	.....	.....	.....	.....	.....
Gorilla #2	.....	.....	.....	...NQ..	...L...
Human M32331	TATFNSTADR	EDGHRNFSCL	AVLDLMSRGG	NIFHKHSAPK	MLEIYEPVSD
Human #4	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....
Human X15606	.....	.....	.....	.....	.....
Chimp #1	.V.....	D.....	.....	.....	.....
Chimp #2	.V.....	D.....	.....	.....	.....
Gorilla #2	.....	.....	...I....	...QE....	.....

(SEQ ID NO:7)

Fig. 6A

Human M32331	SQMVIIVTVV	SVLLSLFVTS	VLLCFIFGQH	LRQQRMGTYG	VRAAWRRLPQ
Human #4	.....	.....	.....	.....	.....
Human #8	.....	.....	.....	.....	.....
Human X15606	.....	.....	.....	.....	.....
Chimp #1	.....	.....	.....	.....	.....
Chimp #2	.....	.....	.....	.....	.....
Gorilla #2	.....	.....	.....	.....	.....
Human M32331	AFRP				
Human #4	....			
Human #8	....			
Human X15606	....			
Chimp #1	....			
Chimp #2	....			
Gorilla #2	....			

Fig. 6B

Human X69819	QEFLLRVEPQ	NPVLSAGGSL	FVNCSTDCPS	SEKIALETSL	SKELVASGMG
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human S50015	.....	.....	.....	F.....	.....
Chimp #3	.....	.....	.....	.....	.....
Chimp #4	.....	.....	.....	.....	.....
Chimp #5	.....	.....	.....	.....	.....
Gorilla #1	.....	.....	.....	.....	.....
Gorilla #2	.....	.....	.....	.....	.....
Orang	.....	...P....	L.....	.K.....	....DN...
Human X69819	WAAFNLNVNT	GNSRILCSVY	CNGSQITGSS	NITVYGLPER	VELAPLPPWQ
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human S50015	.....	.....	.....	.....	.....
Chimp #3	.....	.....	.....	....R....	.....
Chimp #4	.....	.....	.....	....R....	.....
Chimp #5	.....	.....	.....	....R....	.....
Gorilla #1	.....	.....	.....	....R....	.....
Gorilla #2	.....	.....	.....	....R....	.....
Orang	....Y.....	.....	....I....	....R....	....L...
Human X69819	PVGQNFTLRC	QVEGGSPRTS	LTVVLLRWEE	ELSRQPAVEE	PAEVTATVLA
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human S50015	.....	.....	.....	.....	.....
Chimp #3	Q.....	.....	.....	.....	.....
Chimp #4	Q.....	.....	.....	.....	.....
Chimp #5	R.....	.....	.....	.....	.....
Gorilla #1	.....	.....	.....	.....	....P...
Gorilla #2	.....	.....	.....	.....	....P...

(SEQ ID NO:8)

Fig. 7A

Human X69819	SRDDHGAPFS	CRTELDMQPQ	GLGLFVNTSA	PRQLRTFVLP	VTPPRLVAPR
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human S50015	.....	.....	.....	.....	.....
Chimp #3	.....	.....	.....	.....	.....
Chimp #4	.....	.....	.....	.....	.....
Chimp #5	.....	.....	.....	.....	.....
Gorilla #1	..G.....	.....	.....	.....	M.....
Gorilla #2	..G.....	.....	.....	.....	M...S....
Orang	..GH...H..	.....	.....	.....	.....
Human X69819	FLEVETSWPV	DCTLDGLFPA	SEAQVYLALG	DQMLNATVMN	HGDTLTATAT
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human S50015	.....	.....	.....	.....	.....
Chimp #3	.....	.....	.....	.....	.....
Chimp #4	.....	.....	.....	.....	.....
Chimp #5	.....	.....	.....	.....	.....
Gorilla #1	.....	.....	.....	.....	.....
Gorilla #2	.....	.....	.....	.....	.....
Orang	...A.....	.....	.....	.....V.	.....
Human X69819	ATARADQEGA	REIVCNVTLG	GERREARENL	TVFSFLGPIV	NLSEPTAHEG
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human S50015	.....	.....	.....	.....	.....
Chimp #3	.....	.....	.....	.....T.	.....P..

Fig. 7B

Chimp #4	.....	.....	.....	.....T.	.....P..
Chimp #5	.....	.....	.....	.....T.	.....P..
Gorilla #1	...L.....	.....	.....	...I.....	.....P..
Gorilla #2	...L.....	.....	.....	...I.....	.....P..
Orang	.M.....	Q.....	.....	.....L	.....S.P..
Human X69819	STVTVSCMAG	ARVQVTLDGV	PAAAPGQPAQ	LQLNATESDD	GRSFFCSATL
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human S50015	.....	.....	.....	.....	.....
Chimp #3	.....	.....	.....	.....	R.....
Chimp #4	.....	.....	.....	.....	R.....
Chimp #5	.....	.....	.....	.....	R.....
Gorilla #1	.....	.....	.....	.....	.....
Gorilla #2	.....	.....	.....	.....	.....
Orang	.....	.....	.....	.....	.....
Human X69819	EVDGEFLHRN	SSVQLRVLYG	PKIDRATCPQ	HLKWKDKTRH	VLQCQARGNP
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....
Human S50015	.....	.....	.....	.....	.....
Chimp #3	.....	.....	.....	.....T.	.....
Chimp #4	.....	.....	.....	.....T.	.....
Chimp #5	.....	.....	.....	.....T.	.....
Gorilla #1	.....	.....	.....	.....T.	.....
Gorilla #2	.....	.....	.....	.....T.	.....
Orang	.....F...	.....	.....	.....	.....
Human X69819	YPELRCLKEG	SSREVPVGIP	FFVNVTHNGT	YQCQASSSRG	KYTLVVVMDI
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....
Human #7	.....	.....	.....	.....	.....

Fig. 7C

Human S50015	.....	.....	.....	.....	.....
Chimp #3	.....	.....	.....	.....	.....
Chimp #4	.....	.....	.....	.....	.....
Chimp #5	.....	.....	.....	.....	.....
Gorilla #1	.....	.....	.....	.....	.....
Gorilla #2	.....	.....	.....	.....	.....
Orang	H.....	.....	.....	.....	R.....
Human X69819	EAGSSHFVPV	FVAVLLTLGV	VTIVLALMYV	FREHQSGSY	HVREESTYLP
Human #4	.....	.....	.....	.....	.....
Human #5	.....	.....	.....	.....	.....T....
Human #7	.....	.....	.....	.....	.....
Human S50015	.....	.....	.....	.....	.....
Chimp #3	.....	.....	.....	....K.....	.....
Chimp #4	.....	.....	.....	....K.....	.....
Chimp #5	.....	.....	.....	....K.....	.....
Gorilla #1	.....	.....	.....	....K.....	.....
Gorilla #2	.....	.....	.....	....K.....	.....
Orang	...N...L.	.L...V....	..V.V.....	....K...R.	...Q...S..
Human X69819	LTSMQPTEAM	GEEPSRAE			
Human #4	.....	.....	
Human #5	.....	.....	
Human #7	.....	.....	
Human S50015	.....	.....	
Chimp #3	.....Q..	.....		
Chimp #4	.....Q..	.....		
Chimp #5	.....	.....	
Gorilla #1	.....	.....	
Gorilla #2	.....	.....	
Orang	.....	.....T..			

Fig. 7D

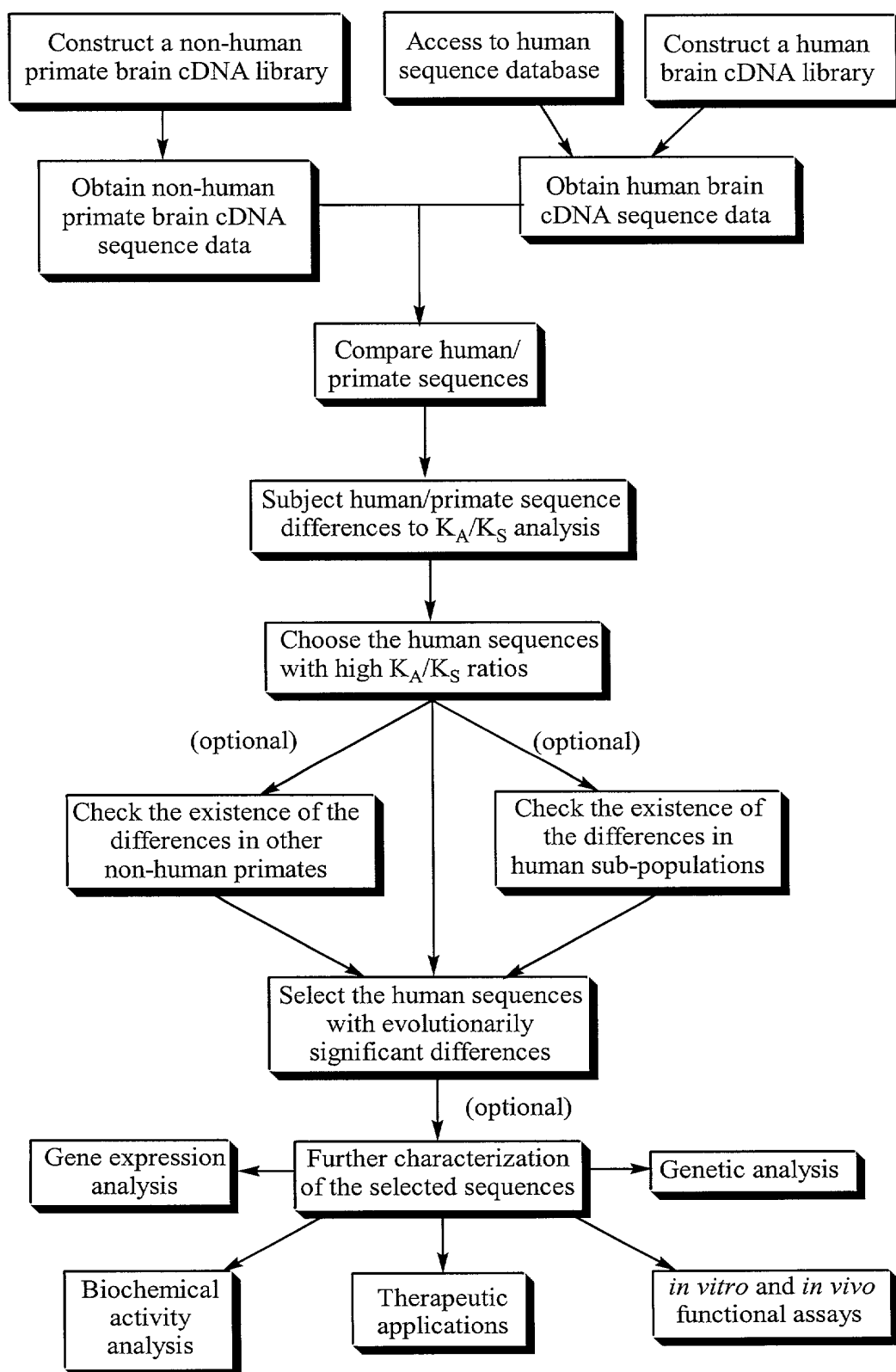


Fig. 8

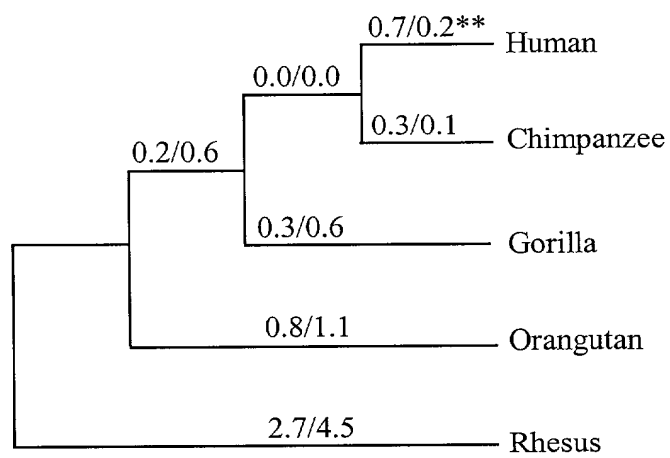


Fig. 9

094223.032801

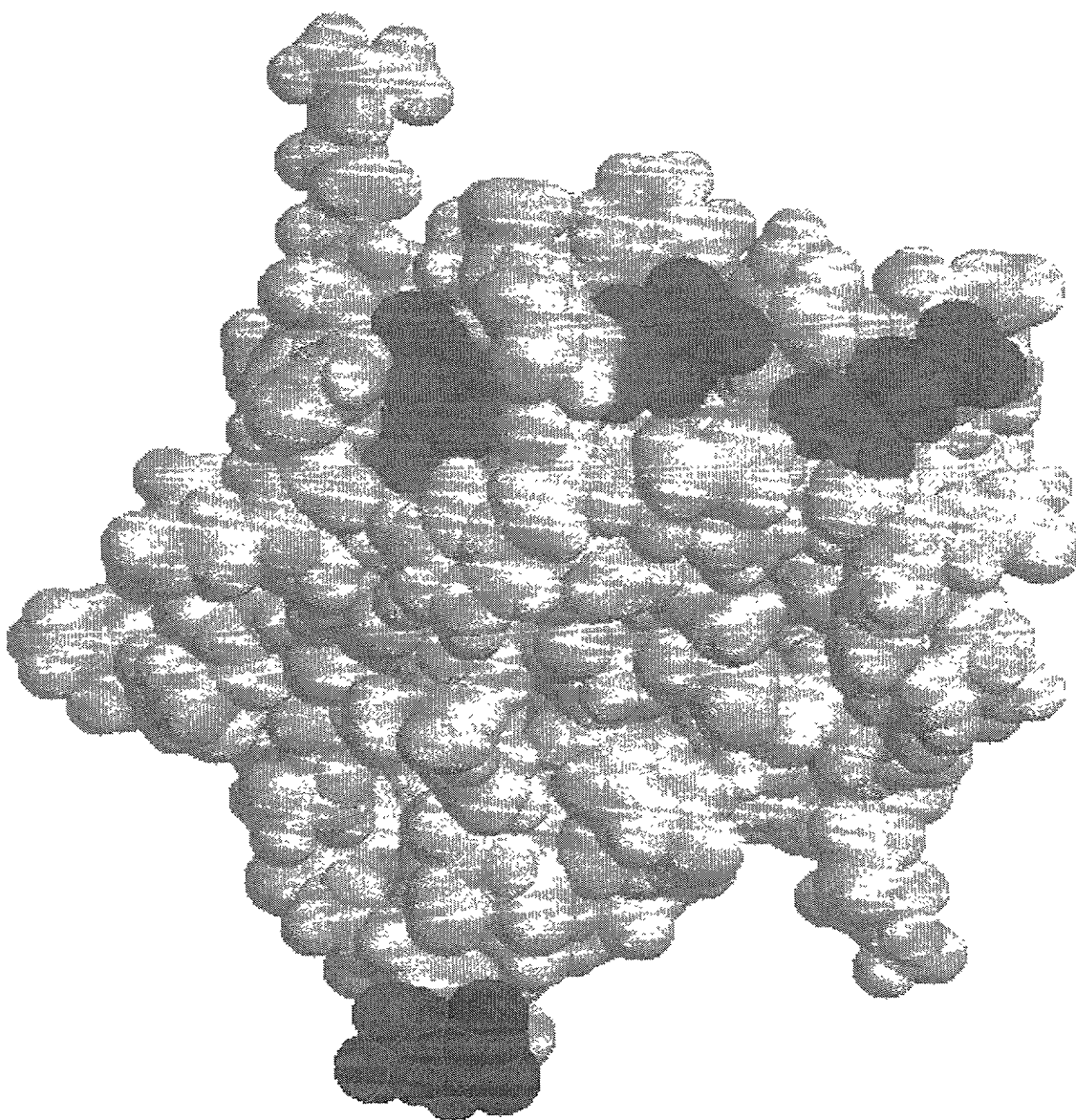


Fig. 10

Human

ATGAGTGACTCCAAGGAACCAAGACTGCAGCAGCTGGGCTCTCTGGAGGAGGAACA
GCTGAGAGGCCCTTGGAATCCGACAGACTCGAGGATACAAAGAGCTTAGCAGGGTGTC
TTGGCCATGGTCCCTGGTGCTGCAACTCCTCTCTCACGCTCTTGGCTGGGCTCCT
TGTCCAAGTGTCCAAGGTCCCCAGCTCCATAAGTCAGGAACAATCCAGGCAAGACG
CGATCTACCAGAACCTGACCCAGCTTAAAGCTGCAGTGGGTGAGCTCTCAGAGAAA
TCCAAGCTCAGGAGATCTACCAGGAGCTGACCCAGCTGAAGCTGCAGTGGGTGA
GCTTCCAGAGAAATCTAAGCTGCAGGAGATCTACCAGGAGCTGACCCGGCTGAAGG
CTGCAGTGGGTGAGCTTCCAGAGAAATCTAAGCTGCAGGAGATCTACCAGGAGCTG
ACCTGGCTGAAGGCTGCAGTGGGTGAGCTTCCAGAGAAATCTAAGATGCAGGAGAT
CTACCAGGAGCTGACTCGGCTGAAGGCTGCAGTGGGTGAGCTTCCAGAGAAATCTA
AGCAGCAGGAGATCTACCAGGAGCTGACCCGGCTGAAGGCTGCAGTGGGTGAGCTT
CCAGAGAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGACCCGGCTGAAGGCTGC
AGTGGGTGAGCTTCCAGAGAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGACC
CAGCTGAAGGCTGCAGTGGAAACGCTGTGCCACCCCTGTCCCTGGGAAATGGACATT
CTTCCAAGGAAACTGTACTTCACTGTCTAACTCCACGGGAACCTGGCACGACTCCAT
CACCGCTGCAAGAAAGTGGGGGCCAGCTCGTCGTAAATCAAAAGTGTGAGGAGC
AGAACTTCCTACAGCTGCAGTCTTCCAGAAAGTAACCGCTTCACTGGATGGGACTTT
CAGATCTAAATCAGGAAGGCACGTGGCAATGGGTGGACGGCTCACCTCTGTTGCCC
AGCTTCAAGCAGTATTGGAAACAGAGGAGAGCCCAACAACGTTGGGAGGAAGACTG
CGCGGAATTTAGTGGCAATGGCTGGAACGACGACAAATGTAATCTTGCCAAATTCTG
GATCTGCAAAAAGTCCGAGCTCCTGCTCCAGGATGAAGAACAGTTTCTTCTCC
AGCCCTGCCACCCCAACCCCTCTCTCG (SEQ. ID. NO. 9)

Fig. 11

Chimpanzee

ATGAGTGACTCCAAAGGAACCAAGACTGCAGCAGCTGGGCCCTCCTGGAGGAGGAACA
GCTGAGAGGCCCTTGGAATCCGACAGACTCGAGGCTACAAGAGCTTAGCAGGGTGTC
TTGGCCATGGTCCCTGGTGTGCAACTCCTCTCTTCAACGCTCTTGGCTGGGCTCCT
TGTC AAGTGTCCAAGGTCCCCAGCTCCATAAGTCAAGGAGAAATCCAGGCAAGACG
TGATCTACCAGAACCTGACCCAGCTTAAAGCTGCAGTGGGTGAGCTCTCAGAGAAA
TCCAAGCTGCAGGAGATCTACCAGGAGCTGACCCAGCTGAAGGCTGCAGTGGGTGA
GCTTCCAGAGAAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGACCCGGCTGAAGG
CTGCAGTGGGTGAGCTTCCAGAGAAAATCTAAGATGCAGGAGATCTACCAGGAGCTG
ACTCGGCTGAAGGCTGCAGTGGGTGAGCTTCCAGAGAAAATCTAAGATGCAGGAGAT
CTACCAGGAGCTGACTCGGCTGAAGGCTGCAGTGGGTGAGCTTCCAGAGAAAATCTA
AGCAGCAGGAGATCTACCAGGAGCTGACCCAGCTGAAGGCTGCAGTGGGTGAGCTT
CCAGAGAAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGACCCAGCTGAAGGCTGC
AGTGGGTGAGCTTCCAGAGAAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGACCC
CGGCTGAAGGCTGCAGTGGAAACGCTGTGCCCGCTGCCCGTGGGAATGGACATT
CTTCCAAAGGAAACTGTACTTCACTGCTAACTCCAGCGGAACCTGGCACGACTCCAT
CACTGCCTGCAAAAGTGGGGCCAGCTCGTCGTAATCAAAAGTGTGAGGAGC
AGAACTTCTACAGCTGCAGCTTCCAGAAAGTAAACGCTTCACTGATGGGACTTT
CAGATCTAAATGAGGAAGGCAATGTGGCAATGGGTGGACGGCTCACCTGTGTGCC
AGCTTCAACCAGTAYTGGAACAGAGGAGAGCCCAACAACGTTGGGAGGAGACTG
CGCGGAATTTAGTGGCAATGGCTGGAATGACGACAAATGTAAATCTTGCCAAATCTG
GATCTGCAAAAAGTCCGACGCTCCTGCTCCAGGAGTGAAGAACAGTTTCTTCTCC
AGCCCCTGCCACCCCAACCCCTCCTGCG (SEQ. ID. NO. 10)

Fig. 12

Gorilla

ATGAGTACTCCAAGGAACCAAGACTGCAGCAGCTGGGCCTCCTGGAGGAGGAACA
GCTGAGAGGCCCTTGGATTCCGACAGACTCAGGCTACAAGAGCTTAGCAGGGTGTC
TTGGCCATGGTCCCTGGTGCTGCAACTCCTCTCCTTCACGCTCTTGGCTGCGCTCCT
TGTCCAAAGTGTCCAAAGGTCCCAAGCTCCATAAGTCAGGAACAATCCAGGCAAGACG
CGATCTACCAGAACCTGACCCAGTTTAAAGCTGCAGTGGTGAGCTCTCAGAGAAA
TCCAAAGCTGCAGGAGATCTATCAGGAGTGAACCCAGCTGAAGGCTGCAGTGGGTGA
GCTTCCAGAGAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGAGCCAGCTGAAGG
CTGCAGTGGTGAGCTTCCAGAGAAATCTAAGCAGCAGGAGATCTACCAGGAGCTG
ACCCGGCTGAAGGCTGAGTGGTGAGCTTCCAGAGAAATCTAAGCAGCAGGAGAT
CTACCAGGAGTGAACCCGGCTGAAGGCTGCAGTGGTGAGCTTCCAGAGAAATCTA
AGCAGCAGGAGATCTACCAGGAGCTGAGCCAGCTGAAGGCTGCAGTGGTGAGCTT
CCAGAGAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGAGCCAGCTGAAGGCTGC
AGTGGTGAGCTTCCAGAGAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGACC
CAGCTGAAGGCTGCAGTGGAAACGCCCTGTGCCGCCGCTGCCCCCTGGGAATGGACATT
CTTCCAAAGGAACCTGTACTTCACTGTCTAATCTCCAGCGGAATGGCACGACTCCAT
CACCGCCTGCCAAAGTGGGGCCCAGCTCGTCGTAAATCAAAAGTGTGAGGAGC
AGAACTTCTACAGCTGCAGTCTTCCAGAAAGTAAACCGCTTCACTGATGGGACTTT
CAGATCTAAATCATGAAGCACGTGGCAATGGGTGGACGGCTCACCTCTGTTGCCC
AGCTTCGAGCAGTATTGGAACAGAGGAGAGCCCAACACGTTGGGAGGAAGACTG
CGCGGAATTTAGTGGCAATGGCTGGAAACGATGACAAATGTAATCTTGCCAAATCTG
GATCTGCAAAAAGTCTGAGCCTCCTGCTCCAGGATGAAGAACAGTTTCTTCTCC
AGCCTCTGCCACCCCAACCCCCCTCCTGCG (SEQ. ID. NO. 11)

Fig. 13


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1      ctccagacct acccagaaag atgcccggat ggatcctgca gctccgtggc ttttctggga
61     agcagcggcc cctgctctca agagaccctg gctcctgat gtggcccca gggtgccagc
121    tgggtgctagg gactcaggac agtttccag aaaaggccaa gcgggcagcc cctccagggg
181    ccgggtgagg aagctggggg gtgcccaggc cacactgggt ccctgaaccc cctgcttggg
241    tacagtgcag ctctcaagt ccacagacgt gggccggcac agcctcctgt acctgaagga
301    aatcgccgt ggctggttcg ggaaggtgtt cctgggggag gtgaactctg gcatcagcag
361    tgcccagggtg gtggtgaagg agctgcaggc tagtgccagc gtgcaggagc agatgcagtt
421    cctggaggag gtgcagccct acagggccct gaagcacagc aacctgctcc agtgcctggc
481    ccagtgcgcc gaggtgacgc cctacctgct ggtgatggag ttctgcccac tgggggacct
541    caagggtac gtgcggagct gccgggtggc ggagtccatg gctcccgacc cccggacctt
601    gcagcgcatg gcctgtgagg tggcctgtgg cgtcctgcac cttcatcgca acaatttcgt
661    gcacagcgac ctggccctgc ggaactgcct gctcacggct gacctgacgg tgaagattgg
721    tgactatggc ctggctcact gcaagtacag agaggactac ttctgactg ccgaccagct
781    gtgggtgcct ctgcgtgga tcgcgccaga gctggtggac gaggtgcata gcaacctgct
841    cgtcgtggac cagaccaaga gcgggaatgt gtggtccctg ggcgtgacca tctgggagct
901    ctttagctg ggcacgcagc cctatcccca gactcggac cagcaggtgc tggcgtacac
961    ggtccgggag cagcagctca agctgcccac gcccagctg cagctgacct tgtcggacct
1021   ctggtacgag gtgatgcagt tctgctggct gcagcccag cagcggccca cagccgagga
1081   ggtgcacctg ctgctgtcct acctgtgtgc caagggcgcc accgaagcag aggaggagtt
1141   tgaacggcgc tggcgtcttc tgccggcccg cgggggcgcc gtggggcccg ggcccggtgc
1201   ggccggggccc atgctgggcg gcgtggtgga gctgcgcgt gcctcgtcct tcccgtgct
1261   ggagcagttc gcgggcgacg gcttccacgc ggacggcgac gacgtgctga cggtagccga
1321   gaccagccga ggctcaatt ttgagtacaa gtgggaggcg ggccgcggcg cggaggcctt
1381   cccggccacg ctgagccctg gccgcaccgc acgctgcag gagctgtgcg ccccgcagcg
1441   cgcccccgc ggctggttc cggtgctcag cgcgcacagc ccgtcgtgg gcagcgagta
1501   cttcatccgc ctgaggagg ccgcacccgc cgcggcccac gacctgact gcgccggctg
1561   cgccccagt ccacctgcca ccgcggacca ggacgacgac tctgacggca gcaccgcgcg
1621   ctgctgggc atggagccgc tgctgggcca cgggccacc gtcgacgtcc cctggggccg
1681   cggcgaccac taccctcgca gaagcttggc gcgggacctg ctctgcccct cacgctctcc
1741   ctgcacctcg gcggggcccc tgagtctggc ggaggaggga gcggaggatg cagactgggg
1801   cgtggccgcc ttctgtcctg ccttcttcga ggacccactg ggcacgtccc ctttggggag
1861   ctgagggcg ccccgctgc cgctgactgg cgaggatgag ctgaggagg tgggagcgcg
1921   gagggccgcc cagcgcgggc actggcgctc caacgtgtca gccacaaca acagcggcag
1981   ccgctgtcca gactcctggg acccgtctc tgccggctgc cacgtgagg gctgcccag
2041   tccaaagcag accccacggg cctccccga gccggggtac cctggagagc ctctgcttgg
2101   gctccaggca gccctgccc aggagccagg ctgctgccc ggctccctc atctatgctc
2161   tgcccagggc ctggcacctg ctccctgctt ggttacacc tctggacag agacagccag
2221   tagtgggggt gaccaccgc aggcagagcc caagcttggc acggaggctg agggcactac
2281   cggaccccg cgtccccttc cttccgtccc ctcccctcc caggaggag cccacttcc
2341   ctcgaggag gccagtgcc ccgacgccc tgatgcctg cctgactctc ccacgcctgc
2401   tactggtggc gaggtgtctg ccatcaagct ggcttctgcc ctgaatggca gcagcagctc
2461   tcccagggtg gaggcaccca gcagtgagga tgaggacacg gctgaggcca cctcaggcat
2521   cttcaccgac acgtccagcg acggcctgca ggccaggagg ccggatgtgg tgccagcctt
2581   ccgctctctg cagaagcagg tggggacccc cgactccctg gactccctgg acatcccgtc
2641   ctgagccagt gatggtggct atgaggtctt cagcccgctg gccactggcc cctctggagg
2701   gcagcccgca gcgctggaca gtggctatga caccgagaac tatgagtccc ctgagtttgt
2761   gctcaaggag gcgcaggaag ggtgtgagcc ccaggccttt gcggagctgg cctcagaggg
2821   tgagggcccc gggcccgaga cacggctctc cacctccctc agtggcctca acgagaagaa
2881   tccctaccga gactctgcct acttctcaga cctcgaggct gaggccgagg ccacctcagg
2941   cccagagaag aagtgcggcg gggaccgagc ccccgggcca gagctgggccc tgccgagcac
3001   tgggcagccg tctgagcagg tctgtctcag gctgggggtt tccggggagg cacaaggctc

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Figure 14A

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3061 tggccccggg gaggtgctgc cccactgct gcagcttgaa gggtcctccc cagagcccag
3121 cacctgcccc tcgggcctgg tcccagagcc tcgggagccc caaggcccag ccaaggtgcg
3181 gcctggggccc agccccagct gctcccagtt tttcctgctg accccggttc cgctgagatc
3241 agaaggcaac agctctgagt tccaggggcc ccaggactg ttgtcagggc cggccccaca
3301 aaagcggatg gggggcccag gcacccccag agccccactc cgcctggctc tgcccggcct
3361 ccctgcgggc ttggaggggc ggccggaggga ggaggaggag gacagtgagg acagcgacga
3421 gtctgacgag gagctccgct gctacagcgt ccaggagcct agcgaggaca gcgaagagga
3481 ggcgccggcg gtgcccgtgg ttggtggctga gagccagagc gcgcgcaacc tgcgcagcct
3541 gctcaagatg cccagcctgc tgtccgagac cttctgcgag gacctggaac gcaagaagaa
3601 ggccgtgtcc ttcttcgacg acgtcacccg ctacctcttt gaccaggaaa gccccaccg
3661 ggagctcggg gagcccttcc cgggcgccaa ggaatcgccc cctacgttcc ttagggggag
3721 ccccggtctc cccagcgccc ccaaccggcc gcagcaggct gatggctccc caaatggctc
3781 cacagcgga gaggggtggtg ggttcgctg ggacgacgac ttcccgtga tgacggccaa
3841 ggcagccttc gccatggccc tagaccggc cgcacccgcc ccggtgctgc ccacggccac
3901 gcccgtctcc ttctcgctc tcacggtgtc gcccgcgccc acgtcccgtc tctccatcac
3961 gcacgtgtct gactcggacg ccgagtccaa gagaggacct gaagctgggt cggggggtga
4021 gagtaaagag gcttgagacc tgggcagctc ctgccccctc aggetggcgt caccggagcc
4081 cctgccaggc agcagcgagg atggtgaccg agaaggtggg gaccacgtcc tgggtggctgt
4141 tggcagcaga ttcaggtgcc tctgccccac gcggtgtcct ggagaagccc gtgggatgag
4201 aggccttggg ttgtagatcg gccatgctcc gcccagagg cagaattcgt ctgggctttt
4261 aggttgtctg ctagcccctg ggggcgcctg gagccacagt ggggtgtctgt acacacatac
4321 aactcaaaa ggggccagt cccctgggca cggcgccccc caccctctgc cctgctgcc
4381 tggcctcgga ggaccgcgt gcccacccg gcagtcctc cgggtgtgctc acaggacact
4441 taaaccagga cgaggcatgg ccccgagaca ctggcaggtt tgtgagcctc tcccacccc
4501 ctgtgcccc acccttgctt ggttcctggt ggctcagggc aaggagtggc cctgggcgcc
4561 cgtgtcggtc ctgtttccgc tgcccttatc tcaaagtccg tggctgtttc cccttactg
4621 actcagctag acccgtaagc ccacccttcc cacagggaac aggetgctcc cacctgggtc
4681 ccgctgtggc cacggtgggc agccaaaag atcaggggtg gaggggcttc caggctgtac
4741 tcctgcccc tgggccccgt tctagaggtg cccttggcag gaccgtgcag gcagctccc
4801 tctgtggggc agtatctggt cctgtgcccc agctgccaaa ggagagtggg ggccatgcc
4861 cgcagtcagt gttggggggc tcctgcctac agggagaggg atggtgggga aggggtggag
4921 ctgggggagc ggcagcacag ggaatatatt tgtaactaac taactgctgt gggtggagcg
4981 aatggaagtt gggtgatatt aagttattgt tgccaaagag atgtaaagtt tattgttgct
5041 tcgcaggggg atttgttttg tgtttgttt gaggcttaga acgctgggtg aatgttttct
5101 tgttccttgt tttttaagag aaatgaagct aagaaaaaag (SEQ ID NO: 14 and 15)

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Figure 14A (continued)

MQFLEEVQPYRALKHSNLLQCLAQCAEVTPYLLVMEFCPLGDLKGYLRSCRVAESMAP
DPRTLQRMACEVACGVLHLHRNNFVHSDLALRNCLLTADLTVKIGDYGLAHCKYRED
YFVTADQLWVPLRWIAPELVDEVHSNLLVVDQTKSGNVWSLGVTIWELFELGTQYPYPQ
HSDQQVLAYTVREQQKLKPKPQLQLTLSDRWYEVMQFCWLQPEQRPTAEEVHLLLSYL
CAKGATEAEEEFERRWRSRPGGGGVGP GPAAGPMLGGVVELAAASSFPLLEQFAGD
GFHADGDDVLTVTETSRGLNFEYKWEAGRGAEAFPATLSPGRTARLQELCAPDGAPPG
VVPVLSAHSPSLGSEYFIRLEEAAPAAGHDPDCAGCAPSPPATADQDDSDGSTAASLA
MEPLLGHGPPVDVPWGRGDHYPRRSLARDPLCPSRSPSPSAGPLSLAEGGAEDADWGV
AAFCPAFFEDPLGTSPLGSSGAPPLPLTGEDELEEVGARRAAQRGHWRSNVSANNNSGS
RCPESWDPVSAGCHAEGCPSPKQTPRASPEPGYPGEPLLGLQAASAQEPGCCPGLPHLCS
AQGLAPAPCLVTPSWTETASSGGDHPQAEPKLATEAEGTTGPRLPLPSVPSPSQEGAPLP
SEEASAPDAPDALPDSPTPATGGEVSAIKLASALNGSSSSPEVEAPSEDEDTAEATSGIFT
DTSSDGLQARRPDVVPAFRSLQKQVGTPDSLDSLIPSSASDGGYEVFSPSATGPSGGQP
RALDSGYDTENYESPEFVLKEAQEGCEPQAFaelaseGEGPGPETRLSTSLSGLNEKNPY
RDSAYFSDLEAEAEATSGPEKKCGGDRAPGPELGLPSTGQPSEQVCLRPGVSGEAQGS
PGEVLPLLQLEGSSPEPSTCPSGLVPEPPEPQGPakVRPGPSPSCSQFFLLTPVPLRSEGN
SSEFQGPPGLLSGPAPQKRMGGPGTPRAPLRLALPGLPAALEGRPEEEEEEDSEDSDSDE
ELRCYSVQEPSSEDEEEAPAVPVVVAESQSARNLRSLLKMPSLLSETFCEDLERKKKAVS
FFDDVTVYLFQESPTRELGEFPGAKESPPTFLRGSPGSPSAPNRPQQADGSPNGSTAEE
GGGFAWDDDFPLMTAKAAAFAMALDPAAPAPAAPTPTPAPFSRFTVSPAPTSRFSITHVS
DSDAESKRGPEAGAGGESKEA (SEQ ID NO:16)

Figure 14B

GCTCCCTGCCTGGTTACACCCTCCTGGACAGAGACAGCCGGTAGTGGGGGTGACCACCCGCAGGCAGAGCC
 CAAGCTTGCCACGGAGGCTGAGGGCACTGCCGGACCCTGTCTGCCCCCTTCCTTCCGTCCCCCTCCCCATCCC
 AGGAGGGAGCCCCACTTCCCTCGGAGGAGGCCAGTGCCCCCTGACGCCCCCTGATGCCCTGCCTGACTCTCCC
 ATGCCTGCTACTGGTGGCGAGGTGTCTGCCATCAAGCTGGCTTCTGTCTCTGAATGGCAGCAGCAGCTCTCC
 CGAGGTGGAGGCACCCAGCAGCGAGGATGAGGACACGGCTGAGGCCACCTCAGGCATCTTACCCGACACGT
 CCAGCGACGGCCTGCAGGCCGAGAGGCTGGATGTGGTGCCAGCCTTCCGCTCTCTGCAGAAGCAGGTGGGG
 ACCCCCGACTCCCTGGACTCCCTGGACATCCCATCCTCAGCCAGTGATGGTGGCTATGAGGTCTTCAGCCC
 GTCGGCCACTGGCCCCCTCTGGAGGGCAGCCCCGAGCGCTGGACAGTGGCTATGACACCGAGAAGTATGAGT
 CCCCTGAGTTTGTGTCTAAGGAGGCGCAGGAAGGGTGTGAGCCCCAGGCCTTTGAGGAGCTGGCCTCAGAG
 GGTGAGGGCCCCCGCCCCGGGCCCCGAGACGCGCTCTCCACCTCCCTCAGTGGCCTCAACGAGAAGAATCC
 CTACCGAGACTCTGCCTACTTCTCAGACCTGGAGGCTGAGGCCGAGGCCGAGGCCACCTCAGGCCACAGAGA
 AGAAGTGCGGCGGGGACCAAGCCCCCGGGCCAGAGCTGGACCTGCCGAGCACTGGGCAGCCGTCTGAGCAG
 GTCTCCCTCAGGCCTGGGGTTTCCGGGGAGGCACAAGGCTCTGGCCCCGGGGAGGTGCTGCCCCCACTGCT
 GCGGCTTGAAGGATCCTCCCCAGAGCCCAGCACCTGCCCTCGGGCCTGGTCCCAGAGCCTCCGGAGCCCC
 AAGGCCAGCCGAGGTGCGGCCTGGGCCAGCCCCAGCTGCTCCAGTTTTTCTGCTGACCCCGGTTCCG
 CTGAGATCAGAAGGCAACAGCTCTGAGTTCAGGGGCCCCCAGGACTGTTGTGAGGGCCGGCCCCACAAAA
 GCGGATGGGGGGCCTAGGCACCCCCAGAGCCCCACTCCGCTGGCTCTGCCCGGCCTCCCTGCGGCCTTGG
 AGGGCCGGCCGGAGGAGGAGGAGGAGGACAGTGAGGACAGCGCGAGTCTGACGAGGAGCTCCGCTGCTAC
 AGCGTCCAGGAGCCTAGCGAGGACAGCGAAGAGGAGGCGCCGCGGTGCCCGTGGTGGTGGCTGAGAGCCA
 GAGCGCGCAACCTGCGCAGCCTGCTCAAGATGCCAGCCTGCTGTCCGAGGCCTTCTGCGAGGACCTGG
 AACGCAAGAAGAAGGCCGTGTCTTCTTCGACGACGTACCGTCTACCTCTTTGACCAGGAAAGCCCCACC
 TGGGAGCTCGGGGAGCCCTTCCGGGGCGCCAAGGAATCGCCCCCACGTTCTTAGGGGGAGCCCCGGCTC
 TCCCAGCGCCCCAACCGGCCGACGAGGCTGATGGCTCCCCAAATGGCTCCACAGCGGAAGAGGGTGGTG
 GGTTCGCGTGGGACGACGACTTCCCGCTGATGCCGGCCAAGGCAGCCTTCGCCATGGCCCTAGACCCGGCC
 GCACCCGCCCCGGCTGCGCCACGCCC*****GCTCCCTTCTCGCGCTTCACGGTGTGCCCCGCGCCAC
 GTCCACGTCCCGCTTCTCCATCACGCACGTGTCT (SEQ ID NO:17)

Figure 15A

GCTCCCTGCCTGGTTACACCCTCCTGGACAGAGACAGACGGTAGTGGGGGTGACCACCCGCAGGCAGAGCC
 CAAGCTTGCCACGGAGGCTGAGGGCACTGCCGGACCCGCGCTGCCCTTCCTTCCGTCCCCCTCCCCATCCC
 AGGAGGGAGCCCCACTTCCCTCGGAGGAGGCCAGTGCCCCGACGCCCCCTGATGCCCTGCCTGACTCGCCC
 ACGCTGCTACTGGTGGCGAGGTGTCTGCCACCAAGCTGGCTTCCGCCCTGAATGGCAGCAGCAGTCTCC
 CGAGGTGGAGGCACCCAGCAGTGAGGATGAGGACACGGCTGAGGCAACCTCAGGCATCTTACCCGACACGT
 CCAGCGACGGCCTGCAGGCCGAGAGGCAGGATGTGGTGCCAGCCTTCCACTCTCTGCAGAAGCAGGTGGGG
 ACCCCCGACTCCCTGGACTCCCTGGACATCCCGTCCCTCAGCCAGTGATGGTGGCTATGAGGTCTTCAGCCC
 GTCGGCCACGGGCCCCCTCTGGAGGGCAGCCCCGAGCGCTGGACAGTGGCTATGACACCGAGAAGTATGAGT
 CCCCTGAGTTTGTGTCTAAGGAGGCGCAGGAAGGGTGTGAGCCCCAGGCCTTTGCGGAGCTGGCCTCAGAG
 GCGAGGGC*****CCCGGGCCCGAGACGCGGCTCTCCACCTCCCTCAGTGGCCTCAACGAGAAGAATCC
 CTACCGAGATTCTGCCTACTTCTCAGACCTGGAGGCT*****GAGGCCGAGGCTACCTCAGGCCACAGAGA
 AGAAGTGCGGTGGGGACCAAGCCCCCGGGCCAGAGCTGGGCCTGCCGAGCACTGGGCAGCCGTCTGAGCAG
 GTCTCCCTCAGTCTTGGGGTTTCCGTGGAGGCACAAGGCTCTGGCCCCGGGGAGGTGCTGCCCCACTGCT
 GCGGCTTGAAGGGTCTCCCCAGAGCCCAGCACCTGCCCTCGGGCCTGGTCCCAGAGCCTCCGGAGCCCC
 AAGGCCAGCCGAGGTGCGGCCTGGGCCAGCCCCAGCTGCTCCAGTTTTTCTGCTGACCCCGGTTCCG
 CTGAGATCAGAAGGCAACAGCTCTGAGTTCAGGGGCCCCCAGGACTGTTGTGAGGGCCGGCCCCACAAAA
 GCGGATGGGGGGCCAGGCACCCCCAGAGCCCCACACCGCCTGGCTCTGCCCGGCCTCCCTGCGGCCTTGG
 AGGGCCGGCCGGAGGAGGAGGAGGACAGTGAGGACAGCGACGAGTCTGACGAGGAGCTCCGCTGCTAC
 AGCGTCCAGGAGCCTAGCGAGGACAGCGAAGAGGAGGCGCGCGGTGCCCGTGGTGGTGGCTGAGAGCCA
 GAGCGCGCAACCTGCGCAGCCTGCTCAAGATGCCAGCCTGCTGTCCGAGGCCTTCTGCGAGGACCTGG
 AACGCAAGAAGAAGGCCGTGTCTTCTTCGACGACGTACCGTCTACCTCTTTGACCAGGAAAGCCCCACC
 CGGGAGCTCGGGGAGCCCTTCCCGGGCGCCAAGGAATCGCCCCCACGTTCTTAGGGGGAGCCCCGGCTC
 TTCCAGCGCCCCAACCGGCCGACGAGGCTGATGGCTCCCCAAATGGCTCCACAGCGGAAGAGGGTGGTG
 GGTTCGCGTGGGACGACGACTTCCCGCTGATGCCGGCCAAGGCAGCCTTCGCCATGGCCCTAGACCCGGCC
 GCACCCGCCCCGGCTGCGCCACGCCC*****GCTCCCTTCTCGCGCTTCACGGTGTGCCCCGCGCCAC
 GTCC:::CGCTTCTCCATCACGCACGTGTCT (SEQ ID NO:18)

Figure 15B